

Table 3. Ordinal logistic regression analysis for level of knowledge with sociodemographic variables and information sources as dependent variables, Basra, Iraq, 2023

Predictors	Breastfeeding		Formula feeding		Complementary feeding		Water and supplements		Food allergy	
	COR (CI)	AOR (CI)	COR (CI)	AOR (CI)	COR (CI)	AOR (CI)	COR (CI)	AOR (CI)	COR (CI)	AOR (CI)
Sociodemographic variables (ref. good knowledge)										
Age ≤19 (ref. >19)	6.36 (3.97, 10.5) ***	3.81 (2.29, 6.49) ***	2.82 (1.85, 4.33) ***	2.46 (1.60, 3.81) ***	6.39 (4.11–10.2) ***	3.95 (2.45, 6.47) ***	3.40 (2.25–5.20) ***	2.24 (1.44, 3.53) ***	8.81 (4.88, 17.1) ***	5.30 (2.82, 10.64) ***
Unemployed (ref. employed)	22.0 (11.1, 45.4) ***	4.55 (2.06, 10.28) ***	4.01 (1.68, 11.8) **		22.5 (10.2, 56.9) ***	6.52 (2.70, 17.67) ***	8.60 (4.65, 16.2) ***	3.63 (1.87, 7.14) ***	19.1 (10.0, 37.7) ***	6.49 (3.22, 13.38) ***
Less than secondary education (ref. secondary and above)	5.19 (3.38, 8.06) ***	2.82 (1.73, 4.61) ***	1.45 (0.951, 2.23) †		4.81 (3.10–7.30) ***	2.67 (1.67, 4.27) ***	4.75 (3.16, 7.23) ***	3.16 (2.03, 4.93) ***	7.61 (4.59, 13.1) ***	4.07 (2.30–7.34) ***
Lives with extended family (ref. own family)	13.6 (6.13, 31.4) ***	2.72 (1.10, 6.87) *	14.2 (2.98, 255) *	2.63 (1.47, 5.00) ***	11.5 (5.02–29.6) ***		3.24 (1.60–6.58) ***		8.22 (3.96, 17.3) ***	
Family monthly income < IQD 500,000 (ref. ≥ IQD 500,000)	5.93 (3.71, 9.58) ***	2.27 (1.30, 3.94) **	3.26 (1.85, 6.12) ***		4.64 (2.95, 7.33) ***	2.03 (1.19, 3.44) **	3.29 (2.11–5.15) ***		4.26 (2.62, 6.92) ***	
Currently pregnant (ref. recent delivery)	1.16 (0.778, 1.74)		1.57 (1.04, 2.39) *		1.95 (1.32, 2.91) ***		1.37 (0.930, 2.02)		1.63 (1.04, 2.57) *	
Divorced/widowed (ref. married)	0.551 (0.0812, 2.31)		1.39 (0.324–9.52)		0.409 (0.061–1.67)		0.716 (0.151, 2.66)		0.384 (0.021–2.16)	
Infant sex known (pregnant only, ref. unknown)	1.23 (0.663, 2.32)		1.42 (0.778, 2.57)		1.28 (0.676, 2.48)		1.63 (0.879, 3.08)		2.36 (1.06, 5.81) *	
Female infant (ref. male)	1.75 (1.12, 2.77) *		1.04 (0.656–1.65)		1.25 (0.823, 1.92)		1.25 (0.780, 2.02)		1.25 (0.780, 2.02)	
Second/third trimester (pregnant only, ref. first trimester)	1.90 (0.872, 4.49)		0.944 (0.441, 1.94)		0.189 (1.76, 4.36)		1.23 (0.588, 2.71)		1.83 (0.718, 5.66)	
Child age >6 months (recent delivery only, ref. age <6 months)	1.04 (0.472, 2.17)		0.591 (0.278, 1.31)		1.56 (0.744, 3.24)		1.29 (0.624, 2.63)		0.637 (0.305, 1.38)	
R2 McFadden		0.231		0.0512		0.209		0.124		0.245
Information sources (ref. poor knowledge)										
Doctors and Health Workers	30.10 (16.30, 58.7) ***	6.87 (3.29, 14.8) ***	23.50 (7.20, 145.00) ***	10.13 (2.62, 67.38)	65.10 (30.70, 156.00) ***	8.75 (3.35, 24.60) ***	21.7 (12.2, 39.9) ***	4.609 (2.181, 9.955) ***	23.6 (13.4, 42.8) ***	2.92 (1.38, 6.17) ***
Traditional Media	3.99 (0.42, 37.8)		N/A		N/A		16.9 (1.94, 355) *	21.825 (1.244, 648.365) *	10.1 (1.53, 83.7) *	
Social media and the Internet	26.8 (15.2, 49.2) ***	9.44 (4.80, 19.00) ***	8.67 (4.16, 21.20) ***	3.18 (1.37, 8.48) *	143.0 (67.7, 329.0) ***	57.58 (25.86, 138.50) ***	24.4 (14.1, 44.3) ***	6.319 (2.971, 13.718) ***	48.0 (26.1, 92.3) ***	16.78 (7.62, 37.94) ***
Books and Journals	22.90 (12.00, 45.60) ***		13.1 (3.97, 81.2) ***		263.00 (55.80, 4712.00) ***		15.2 (8.25, 28.7) ***		21.1 (11.3, 40.4) ***	
Family and Friends	0.08 (0.04, 0.15) ***		0.08 (0.01, 0.28) ***		0.014 (0.003, 0.04) ***		0.053 (0.027, 0.102) ***	0.320 (0.143, 0.699) **	0.041 (0.020, 0.079) ***	0.33 (0.15, 0.70) **
R2 McFadden		0.271		0.0849		0.397		0.256		0.369

COR: crude odds ratio; AOR: adjusted odds ratio; CI: 95% confidence interval; ref.: reference

†P < 0.1; *P < 0.05; **P < 0.01; ***P < 0.001